

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

E 1-4. (Cancelled).

5. (Currently Amended) An inductor comprising:

a substrate comprising a semiconductor material;

a first dielectric layer over the substrate;

a first magnetic layer over the first dielectric layer ~~to reduce eddy currents~~

including a slot having a first shape;

a second dielectric layer over the first magnetic layer;

a conductor over the second dielectric layer having a second shape, the
first shape is independent of the second shape;

a second magnetic layer over the conductor; and

wherein the first and second magnetic layers comprises an amorphous
alloy comprising cobalt, zirconium, and at least one element selected from the list
of tantalum, niobium, and a rare earth element.

6. (Currently Amended) An inductor comprising:

a substrate comprising a semiconductor material;

a first dielectric layer over the substrate;

a magnetic layer over the first dielectric layer;

a second dielectric layer over the magnetic layer; and

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a conductor over the second dielectric layer, the conductor having a first shape;

wherein the magnetic layer defines at least one slot, the slot having a second shape independent of a the first shape of the conductor.

7. (Currently Amended) An inductor comprising:

a substrate comprising a semiconductor material;

a first dielectric layer over the substrate;

a first magnetic layer over the first dielectric layer ~~to reduce eddy currents~~
including a slot having a first shape;

a second dielectric layer over the first magnetic layer;

a conductor over the second dielectric layer having a second shape, the first shape is independent of the second shape;

a third dielectric layer over the conductor; and

a second magnetic layer over the third dielectric layer.

8. (Cancelled)

9. (Original) The inductor of claim 7, wherein the magnetic layers are connected.

10. (Cancelled).

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11. (Withdrawn from consideration) The inductor of claim 1, wherein the first dielectric layer and the magnetic layer define one or more trenches and wherein the conductor defines a signal path along the one or more trenches.

12-17. (Cancelled).

18. (Withdrawn from consideration) The inductor of claim 12, wherein the first dielectric layer defines one or more trenches and wherein the conductor defines a signal path along the one or more trenches.
